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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
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July 18, 1990

TO: Wayne Hedberg, Permit Supervisor

FROM: Holland Shepherd, Reclamation Specialist *HS*

RE: Review of Revised NOI, Jumbo Mining Company, Mizpah Pit, M/027/007, Millard County, Utah

I've reviewed Jumbo Mining's June 23, 1990 revision submittal and have the following comments:

1. R613-004-106.5 - Operations - Topsoil Salvage

The operator must commit to following the BLM's request, that any topsoil greater than 10 inches in depth shall be salvaged except for soils greatly enriched by calcium carbonate. Also, that the soils to be salvaged will be identified jointly by BLM and Jumbo prior to mining.

2. R613-004-110.2 - Reclamation - Roads

All roads to be reclaimed must be ripped to a depth of at least 1.5 feet. Scarification implies superficial agitation of the soil surface and not deep loosening of the soil profile as would be the result of ripping.

3. R613-004-110.2 - Reclamation - Pit Slopes

The operator will be asked to comply with the BLM's request to recontour the pit walls to a 3:1 slope. The Division will base any reclamation estimate on 3:1 pit slope configurations, which will include possible topsoil applications, seeding and scarification.

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If the operator is successful in appealing the BLM's decision for 3:1 slopes, the Division asks that the pit benches are scarified and seeded. This will also be taken into account in the development of a reclamation estimate.

4. R613-004-110.2 - Reclamation - Waste Dumps

The operator's waste dump slopes must comply with the BLM's request for 3:1 slopes.

5. R613-004.111.1 - Reclamation Practice - Trash Disposal

The operator must permit any landfill, on site, with the Utah Bureau of Solid and Hazardous Wastes.

6. R613-004-112 - Variances

The Division will approve the operator's request for a variance on soil salvaging. The operator must, however, address the BLM's requirements in respect to salvaging topsoil from this area.

jb  
WMN.3/1-2